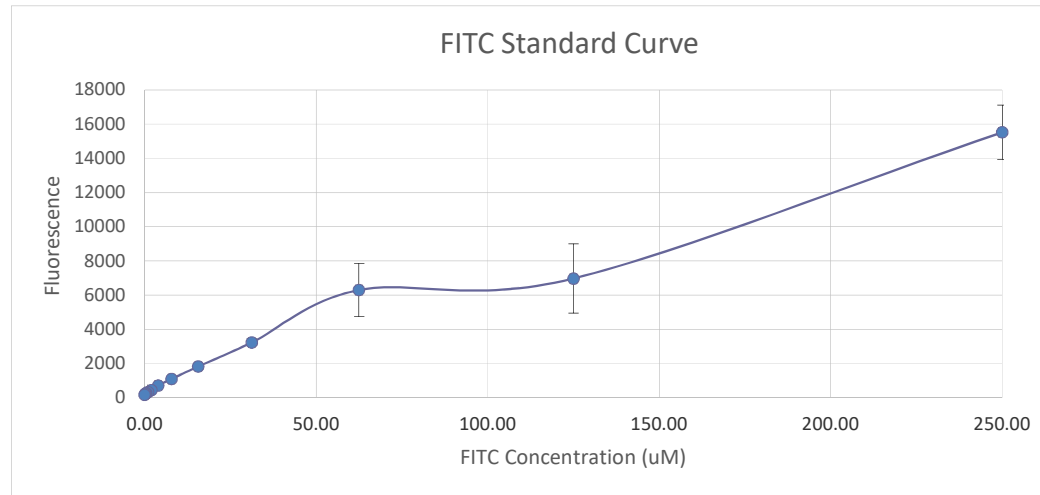


	LUDOX	H2O
replicate 1	0.0492	0.0452
replicate 2	0.0513	0.0447
replicate 3	0.0498	0.0461
replicate 4	0.0512	0.0449
average	0.050375	0.045225
corrected Abs600	0.00515	
reference OD600	0.01475	
correction factor	2.86407767	

	250.00	125	62.5	31.25	15.625	7.8125	3.90625	1.953125	0.9765625	0.48828125	0.24414063	0
replicate 1	14026.731	8560.987	5160.085	3035.062	1749.963	1045.47	668.82	438.777	329.76	275.73	232.645	177.644
replicate 2	17027.852	6688.731	6287.875	3140.935	1886.993	1101.504	707.469	466.514	324.182	271.022	229.897	174.433
replicate 3	16755.027	4215.326	8489.458	3497.327	2015.3	1210.591	757.509	499.559	347.338	283.881	236.375	179.959
replicate 4	14274.4	8426.716	5253.528	3252.416	1649.179	1024.914	707.624	402.89	345.437	261.159	247.028	175.793
Mean	15521.0025	6972.94	6297.7365	3231.435	1825.35875	1095.61975	710.3555	451.935	336.67925	272.948	236.48625	176.95725
SD	1589.57825	2026.53791	1547.94086	198.235015	159.791826	83.2011884	36.3521815	41.0655476	11.4653742	9.4861304	7.51252924	2.39509532



target Abs600

**0.02**

target volume (mL)

**10**

sample (replicate 1) Abs600 reading volume of preloading culture volume of preloading media

positive control	0.48	0.462962963	9.53703704
negative control	0.354	0.653594771	9.34640523
device 1	0.397	0.573065903	9.4269341
device 2	0.371	0.619195046	9.38080495
device 3	0.384	0.595238095	9.4047619
media+chl	0.048	#DIV/0!	#DIV/0!

sample (replicate 2) Abs600 reading volume of preloading culture volume of preloading media

positive control	0.437	0.514138817	9.48586118
negative control	0.368	0.625	9.375
device 1	0.243	1.025641026	8.97435897
device 2	0.393	0.579710145	9.42028986
device 3	0.368	0.625	9.375
media+chl	0.048	#DIV/0!	#DIV/0!

Abs600

raw data

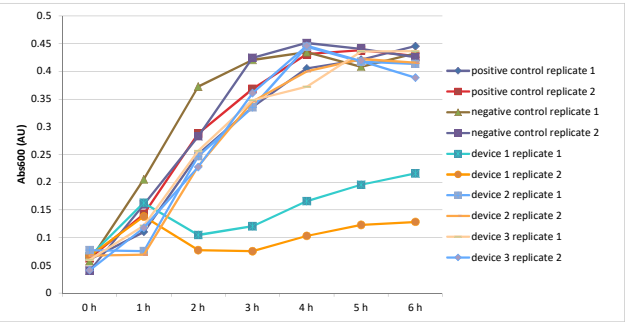
	positive control		negative control		device 1		device 2		device 3		media+chloramphenicol
	replicate 1	replicate 2	replicate 1	replicate 2	replicate 1	replicate 2	replicate 1	replicate 2	replicate 1	replicate 2	
0 h	0.0699	0.0707	0.0689	0.0629	0.0718	0.0722	0.0759	0.0724	0.0698	0.0632	0.0506
1 h	0.0874	0.0986	0.1205	0.1046	0.1057	0.0971	0.0753	0.073	0.0914	0.09	0.0493
2 h	0.1363	0.1493	0.1789	0.1475	0.0855	0.0759	0.135	0.1288	0.1384	0.1282	0.0491
3 h	0.166	0.1774	0.1957	0.1971	0.0909	0.0752	0.1659	0.1695	0.1703	0.1748	0.0483
4 h	0.1904	0.1994	0.2006	0.2064	0.1068	0.0849	0.204	0.1885	0.1788	0.2046	0.0479
5 h	0.1958	0.2018	0.1915	0.2027	0.1171	0.0918	0.1946	0.1963	0.201	0.195	0.0489
6 h	0.2044	0.1982	0.1998	0.1975	0.1242	0.0937	0.1933	0.1941	0.2012	0.1845	0.0482

blank subtraction and correction

	positive control		negative control		device 1		device 2		device 3		
	replicate 1	replicate 2	replicate 1	replicate 2	replicate 1	replicate 2	replicate 1	replicate 2	replicate 1	replicate 2	
0 h	0.06032975	0.06262101	0.05746567	0.04028121	0.0657715	0.06691713	0.07751422	0.06748994	0.06004334	0.04114043	
1 h	0.11045111	0.14252878	0.20525208	0.15971325	0.16286373	0.13823266	0.07579577	0.06920839	0.12190742	0.11789771	
2 h	0.25050451	0.28773752	0.37251422	0.28258218	0.10500936	0.07751422	0.24678121	0.22902393	0.25651907	0.22730548	
3 h	0.33556761	0.3682181	0.42063072	0.42464043	0.12047538	0.07550936	0.33528121	0.34559189	0.34788315	0.3607715	
4 h	0.40545111	0.43122781	0.4346647	0.45127635	0.16601422	0.10329092	0.44440257	0.40000936	0.37222781	0.44612101	
5 h	0.42091713	0.4381016	0.4086016	0.44067926	0.19551422	0.12305305	0.41748024	0.42234917	0.43581033	0.41862587	
6 h	0.4455482	0.42779092	0.43237344	0.42578606	0.21584917	0.1284948	0.41375693	0.4160482	0.43638315	0.38855305	

blank average  
correction factor

0.04883571  
2.86407767



Fluorescence

raw data

	positive control		negative control		device 1		device 2		device 3		media+chloramphenicol
	replicate 1	replicate 2	replicate 1	replicate 2	replicate 1	replicate 2	replicate 1	replicate 2	replicate 1	replicate 2	
0 h	527.744	498.029	344.875	313.558	2039.443	1826.583	1099.837	867.564	357.306	316.965	333.577
1 h	677.665	734.096	367.485	343.812	356.289	330.129	2285.545	1903.53	1341.421	1066.824	312.857
2 h	1149.093	1249.197	378.079	342.136	2679.236	2161.488	2278.923	1699.415	394.75	359.728	315.587
3 h	1549.908	1544.942	381.535	355.879	3083.117	2234.76	2905.876	2426.936	428.419	403.721	335.517
4 h	1785.031	1754.653	371.251	359.227	3724.118	2650.386	3381.042	2788.488	430.906	404.825	335.858
5 h	1856.532	1838.232	373.297	365.783	4220.208	3125.862	3077.190	3054.439	443.296	411.098	338.53
6 h	1937.163	1865.179	370.038	377.115	4652.578	3295.799	3762.128	3077.278	447.927	396.296	324.052

blank average

317.644643

blank subtraction

	positive control		negative control		device 1		device 2		device 3		
	replicate 1	replicate 2	replicate 1	replicate 2	replicate 1	replicate 2	replicate 1	replicate 2	replicate 1	replicate 2	
0 h	210.099357	180.384357	27.2303571	-4.0866429	1721.79836	1508.93836	782.192357	549.919357	39.6613571	-0.6796429	
1 h	360.020357	416.451357	49.8403571	26.1673571	38.6443571	12.4843571	1967.90036	1585.88536	1023.77636	749.179357	
2 h	831.448357	931.552357	60.4343571	24.4913571	2361.59136	1843.84336	1911.27836	1381.77036	77.1053571	42.0833571	
3 h	1232.26336	1227.29736	63.8903571	38.2343571	2765.47236	1917.11536	2588.23136	2109.29136	110.774357	86.0763571	
4 h	1467.38636	1437.00836	53.6063571	41.5823571	3406.47336	2332.74136	3063.39736	2470.84336	113.261357	87.1803571	
5 h	1538.88736	1520.58736	55.6523571	48.1383571	3902.56336	2808.21736	3382.53436	2736.79436	125.651357	93.4533571	
6 h	1619.51836	1547.53436	52.3933571	59.4703571	4334.93336	2978.15436	3444.48336	2759.63336	130.282357	78.6513571	

FI/Abs600

	positive control		negative control		device 1		device 2		device 3		
	replicate 1	replicate 2	replicate 1	replicate 2	replicate 1	replicate 2	replicate 1	replicate 2	replicate 1	replicate 2	
0 h	3482.5166	2880.57235	473.854318	-101.45284	26178.4878	22549.3589	10090.9536	8148.16727	660.545457	-16.520072	
1 h	3259.54496	2921.87556	242.825101	163.839618	237.280314	90.3140898	25963.1951	22914.6398	8397.9823	6354.486	
2 h	3319.09539	3237.50745	162.233693	86.6698578	22489.3411	23787.1637	7744.82945	6033.30135	300.583333	185.140092	
3 h	3672.17605	3333.07178	151.891799	90.0393708	22954.6678	25389.1081	7719.58376	6103.41689	318.424039	238.598682	
4 h	3619.145	3332.36477	123.328066	92.1438868	20519.1666	22584.1871	6893.29359	6176.96382	304.279676	195.41863	
5 h	3656.03405	3470.85556	136.202007	109.236719	19960.5094	22821.1924	8102.26226	6479.93311	288.316609	223.238372	
6 h	3634.88926	3617.50168	121.176169	139.671921	20083.1599	23177.2366	8324.89577	6632.96555	298.550385	202.421154	

average and SD

	average				SD				
	positive cont	negative con	device 1	device 2	positive cont	negative con	device 1	device 2	
0 h	3181.54448	186.200739	24363.9234	9119.56041	322.012692	425.638861	406.803594	2566.18168	478.757626
1 h	3090.71026	203.332359	163.797202	24438.9175	7376.23415	238.768321	55.8511705	103.920813	2155.65408
2 h	3278.30142	124.451776	23138.2524	6889.0654	242.861712	57.6913849	53.4317005	917.699216	1210.23312
3 h	3502.62391	120.965585	24171.888	6911.50033	278.506861	239.78293	43.7362717	1721.40928	1142.80255
4 h	3475.75489	107.735977	21551.6768	6535.1287	249.849153	202.784248	22.0505447	1460.19001	506.521635
5 h	3563.44481	122.719363	21390.8509	7291.09768	255.77749	130.940968	19.0673375	2022.80832	1147.15994
6 h	3626.19547	130.424045	21630.1983	7478.93066	250.48577	12.2948744	13.0784715	2187.84261	1196.37533

